

Emissions of Greenhouse Gases in the United States 2004

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Table 20. U.S. Methane Emissions from Mobile Sources, 1990 and 1996-2004

Source	1990	1996	1997	1998	1999	2000	2001	2002	2003	P2004
Thousand Metric Tons Carbon Dioxide Equivalent										
Motor Vehicles										
Passenger Cars	3,284	2,505	2,464	2,233	2,212	2,180	2,134	2,091	1,913	1,903
Buses	21	24	25	26	28	28	26	25	25	25
Motorcycles	92	95	97	99	102	101	93	92	92	92
Light-Duty Trucks	1,402	1,601	1,665	1,577	1,548	1,528	1,497	1,496	1,465	1,537
Other Trucks	271	339	354	363	375	380	387	397	400	400
Total	5,070	4,564	4,606	4,299	4,265	4,217	4,136	4,102	3,893	3,956
Other Transport	525	518	494	473	494	519	489	483	434	402
Total Transport	5,596	5,082	5,100	4,773	4,759	4,736	4,626	4,585	4,328	4,358
Thousand Metric Tons Methane										
Motor Vehicles										
Passenger Cars	143	109	107	97	96	95	93	91	83	83
Buses	1	1	1	1	1	1	1	1	1	1
Motorcycles	4	4	4	4	4	4	4	4	4	4
Light-Duty Trucks	61	70	72	69	67	66	65	65	64	67
Other Trucks	12	15	15	16	16	17	17	17	17	17
Total	220	198	200	187	185	183	180	178	169	172
Other Transport	23	23	21	21	21	23	21	21	19	17
Total Transport	243	221	222	208	207	206	201	199	188	189

P = preliminary data.

Note: Data in this table are revised from the data contained in the previous EIA report, *Emissions of Greenhouse Gases in the United States 2003*, DOE/EIA-0573(2003) (Washington, DC, December 2004).

Sources: For passenger cars and light-duty trucks, 1990-2000 vehicle miles traveled (VMT) data are based on 2002 data on vehicle stocks provided by R.L. & Polk Co., with VMT modified by Oak Ridge National Laboratory (ORNL), *Transportation Energy Data Book: Edition 23* (Oak Ridge, TN, October 2003), Chapter 7. 1996-2000 data were further adjusted using fleet data and survival curves for the population of aging vehicles. For years after 2000, emissions data are based on fleet data, econometrically modeled VMT, and survival curves for the population of aging vehicles. Calculations for buses, motorcycles, and other trucks are based on VMT from Federal Highway Administration, U.S. Department of Transportation, *Federal Highway Statistics*, Table VM-1 (various years). Vehicle emissions coefficients are from Intergovernmental Panel on Climate Change, *Greenhouse Gas Inventory Reference Manual: Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*, Vol. 3 (Paris, France, 1997), pp. 1.65-1.75, web site www.ipcc.ch/pub/guide.htm. Fuel consumption data for non-highway sources are from Energy Information Administration, *Fuel Oil and Kerosene Sales*, DOE/EIA-0535 (Washington, DC, various years); *Petroleum Supply Annual*, DOE/EIA-0340 (Washington, DC, various years), and ORNL, *Transportation Energy Data Book: Edition 23* (Oak Ridge, TN, October 2003), Chapter 9, web site <http://www.cta.ornl.gov/data/chapter9.html>.